# HAWAIIAN GAZETTE

RODERICK O. MATHESON

Entered at the Postoffice of Honolulu, H. T., Second-Class matter. Semi-Weekly-Issued Tuesdays and Fridays. Subscription Rates: Per Month....... \$ .25 Per Month Foreign ..... \$ .35
Per Year...... \$2.00 Per Year, Foreign ...... \$4.00
Payable Invariably in Advance... CHARLES S. CRANE, Manager.

FRIDAY DO ON THE WASHINGTON TO A SECTION FROM

OCTOBER 2

TO BE SHOULD BE SHOULD BE

### THE STORY OF THE INCANDESCENT

Thirty-five years ago today, Thomas A. Edison produced the first successful incandescent lamp. To fully appreciate the import ance of this wonderful invention one must go back to those days when household electric lighting was deemed impossible by the world's greatest scientists, when the only illuminants were candles, oil lamps and now and then a gas plant in the larger cities. Street primaries cannot be denied. Ighting was not seriously attempted, stores and shops were not illuminated after closing hours and only a few small oil lamps and love is unpopular with the average of the conclusion is a street primaries cannot be denied. flickering candles served to illuminate the household after dark

Those were strenuous days for Mr. Edison. Bes les the enormous amount of work entailed by the operations of his manutacture enced. ing shops, he was elaborating the engineering plans for the first central station in New York City, covering carefully every detail he was turning out several new inventions every day; and helping the Board of Fire Underwriters formulate rules for the new art of incandescent lighting. He was also working on the innumerable details relating to isolated electric lighting plants, for which there was beginning to be a demand; he was directing the engineering for the fields. This paper has also reproduced photographs of prisand construction work of his electric railway out at Menlo Park. He was working about twenty hours a day at this fime. He seemed prisoners of war has been questioned. to be utterly oblivious of the every day things of life. When he seem ed to need new clothes, his secretary would order them and have them delivered to Mrs. Edison. When they arrived she would wait of 1907, the delegates agreed to seventeen rules respecting the treatuntil he had gone to bed and then change all his things over from ment of prisoners of war, the articles being subsequently ratified the old suit into the pockets of the new ones and leave that in place by the various governments. The first six articles are of the old suit. He would put it on next morning and just as likely as not go down to the machine works or elsewhere and get the new clothes covered with oil or chemicals.

Previous to 1881, the general public did not know what an incandescent lamp was. An engine and dynamo had been placed in the basement of Edison's office in Fifth Avenue, and the house was wired and fitted up with lamps and fixtures for the purpose of educating the public.

It was a matter of years before the general public acquired even a rudimentary knowledge of the art of incandescent lighting. This ignorance gave rise to a long list of most ludicrous incidents. The lamp works shipped some lamps to a customer, forwarding therewith the usual memorandum of shipment, which in this case read: "100 lamps, 110 volts." The customer returned the memorandum with this note written at the foot: "Lamps received but cannot find the volts in the package."

Developments in the new art of incandescent lighting came thick and fast from Mr. Edison in the early eighties. Improvement followed improvement with dazzling rapidity. The manufacturing shops were buzzing hives of industry. Real money, however, was a scarce commodity. Mr. Edison had been obliged to finance the organization of the shops himself, and in doing so had to a large extent mortgaged his future. There was some fearful and wonderful financing done when the payrolls of the four shops were made up at the week ends.

Late one summer afternoon in 1881, Mr. Edison was sitting in Major Eaton's office talking with him. The door opened and in came Mr. F. R. Upton, the manager of the lamp factory, which was then a small wooden building at Menlo Park. Mr. Upton was the one who, about a year previous to this time, had gone from Menlo Park to New York having on his arm a market basket containing all the incandescent lamps in the world.

"Hello! Upton," said Mr. Edison, "how are you making out?" "Fine," replied Mr. Upton exultantly. "We finished a thousand

lamps today. Mr. Edison said nothing but seized a pad of paper and figured for a few minutes. Then looking up, he said "In fifteen years you'll be making forty thousand a day."

As a matter of fact, the lamp factory was actually turning out about 45,000 lamps a day in 1896, and this number per hour is not unusual today.

## MORE LIGHT ON WAR CAUSES

An important addition to the correspondence between the governments and the various foreign offices and ambassadors leading up to the outbreak of the War of Europe, which The Advertiser has been republishing during the past two weeks, has come in the form of the Russian Orange Paper, from which the part played by the Russians preliminary to the declarations of war is outlined. The Advertiser will include this Orange Paper in its reproductions.

A proper understanding of the political situation in Europe on the eve of the war cannot be had by the average man without a reading of this correspondence, which is official and authentic. By publishing the correspondence chronologically, with the British. German and Russian hotes and exchanges as they come, a thoroughly impartial review of the ante bellum situation is given.

This correspondence, leading up to the greatest events of five hundred years, is extremely valuable to one who would have some clear idea of the immediate cause of the war, and in republishing it The Advertiser believes that it is serving its readers well.

## TIME TO WAKE UP

The fact that the Republican ticket includes the names of one or two blacklegs hardly justifies the apathy with which the average Republican is viewing the election, coming within a few days. The average voter knows very well who upon that ticket is unworthy of support, just as he should know that the ticket, as a whole, shows an average decidedly higher than the ticket offered by the Demothe Republican ticket for the county offices and for the house of ing of the loss of the lighthouse tender Kukui to this Territory and which treats the results obtained very guardedly, ting better government for Honolulu and for Hawaii.

The delegates to the Mexican constitutional convention must be having a real jolly time. They have been warned by Carranza that he will take repressive measures if they step on his toes, while Villa has eighteen thousand armed men in the near neighborhood looking after his interests. Everybody is watching and waiting. especially the former.

BEYOND THE EXCUSE OF IGNORANCE

Democratic ignorance of generally known facts may be advanced in excuse for a great many of the statements made and things done by the members of that party in Hawaii, but even Democratic ignorance cannot be brought forward to justify the misrepresentations being made by the writers and speakers of that party regarding the territorial immigration law and the presence in the Islands of Filipino laborers. The fact that the immigration of Filipinos into Hawaii is something with which the laws of the Territory cannot deal has been explained and explained over and over again, having-been one of the issues of the campaign two years ago, and the truth of it cannot have failed to seep into the heads of even the local Democratic leaders.

Their present "literature," therefore, which continually, and consistently informs the voters that the Republican immigration legislation is responsible for the presence in Hawait of the Filipinos, can be explained only on the theory that the Bourbons believe that plain lying serves their purpose better than the truth. That there has been steady and studied lying over this question since the

Political events within the Republican party may have led the cerats to the conclusion that truth unadorned with liberal fics unpopular with the average voter in Hawaii. But, whatever the reason for it, the Great Unwashed are giving the voters the finest selection of unadulterated lies this Territory has yet experi-

## TREATMENT OF PRISONERS OF WAR

Interest has been aroused in the rules of warfare governing the are and treatment of prisoners. Hawaii's keen interest having been the positions without exposing them to the hostile artillery fire. In this case the arrangement is such that the enemy would have to take fermans are having some portions of their sugar beet crop barvest- one small work after another, an operation which would cost many ed by British and French prisoners of war, in lied of other men lives.) oners at work under guards, and the right of a nation to so employ

The law of the nations respecting war have been drawn up ery carefully to cover these points. At The Hague Convention

Prisoners of war are in the power of the hostile government, but not of the individuals or corps who capture them. They must be humanely treated.

All their personal belongings, except arms, horses, and military papers remain their property.

Prisoners of war may be interned in a town, fortress, camp, or other place, and bound not to go beyond certain fixed limits; but they cannot be confined except as an indispensable measure of safety and only while the circumstances which necessitate the measure continue

The state may utilize the labor of prisoners of war-according to their rank and aptitude, officers excepted. The tasks shall not be ex-cessive and shall have no connection with the operations of the war. Prisoners may be authorized to work for the public service, for private persons, or on their own account,

Wark done for the state is paid at the rates in force for work of a similar kind done by soldiers of the national army, or, if there are none in force, at a rate according to the work executed.

When the work is for other branches of the public service or for private persons the conditions are settled in agreement with the mili-

The wages of the prisoners shall go towards improving their posi-tion and the balance shall be paid them on their release, after deducting the cost of their maintenance.

The government into whose hands prisoners of war have fallen is charged with their maintenance, In the absence of a special agreement between the belligerents, prisoners of war shall be treated as regards board, lodging, and clothing on the same footing as the troops of the government who explaned

Prisoners of war shall be subject to the laws, regulations, and orders in force in the army of the state in whose power they are. act of insubordination justifies the adoption towards them of such measures of severity as may be considered necessary. Escaped prisoners who are retaken before being able to rejoin

their own army or before leaving the territory occupied by the army which captured them are liable to disciplinary punishment. Prisoners who, after succeeding in escaping, are again taken prisoners, are not liable to any punishment on account of the previous

Every prisoner of war is bound to give, if he is questioned on the subject, his true name and rank, and if he infringes this rule, he is liable to have the advantages given to prisoners of his class cartailed.

## THE PASSING HOUR

. . . . . . They are frank about it in Kohala, anyhow. A delegation of agreed to pledge him their votes if he, in turn, would pledge him- entirely new and that the gases formed by it have even greate self not to have any macadam roads built in the district. The rea- expansion than those of nitro-glycerine, the strongest high explos son advanced was that the fewer macadam roads the more work ive known. There is no doubt that the vapors of the explosive hay there would be for the citizen laborers in building the dirt ones a violent toxic effect and nothing but a strong application of oxygen over and over again.

for someone else.

hundred things needed to be done at Washington for Hawaii?

waiian waters for good, while notification has come of the sailing from the Coast of an inspector authorized to charter a local steamer to take up the lighthouse service work until the successor of the Kukui reaches here. There may be time yet to save the day, but we doubt it. The time to act was some weeks ago.

"The time to get ready to leave Hather and the successor of the sailing shell and so establishes more or less accurately what the tracetory is visiting Hib and the schools as the leaves of the 1600-pound projectile will be. When the piece has been "shot in" by means of the tube the actual charge is fired, with what results Liege, Namur, Givet, Manonvillers, Longwy and what results Liege, Namur, Givet, Manonvillers, Longwy and the main barrel. A trail of smoke shows the path of the one-pound is visiting Hib and the schools as the selectory of the lighthouse service work until the successor of the What results Liege, Namur, Givet, Manonvillers, Longwy and Montmedy will attest. we doubt it. The time to act was some weeks ago.

# VON MOLTKE DYING

ONDON, October 23.—(Associated Press by Federal Wireless)—Field Marshal von Moltke, chief of the German staff, is dying from an affection of the liver, according to the correspondent of the Exchange Telegraph at Amsterdam. The fact of the fatal illness of the great strategist is known only to a few, says the correspondent, every effort to preserve secrecy being made.

General von Moltke has left the Kaiser's headquarters, his place at the head of the general staff being taken by General

### FORTS AND GUNS IN THE WAR.

The lessons for military men to learn from the bombardment persistent holding out of the fortresses of the Verdun-Nancy line, ly large,

are pointed out by the military critic of the Nieuwe Rotterdamsche Courant, who also gives a description of the German fortifications near Metz and Strassburg.

"The new German fortifications near Metz and Strassburg," he writes, "consist of small works surrounded by the usual obstacles (such as redoubts, trenches, moats and barboil wire entanglements). These forts are grouped and form units, cief or which has its armored batteries (long range guns), and also sunken batteries of high-tracetory mortars. The intervening infantry positions are supported by small caliber field pieces.

He Verdum-Nancy line, ly large.

Extra Work Popular

R. C. Bowman, vocational instructor for Mani, reporting recently on the progress of the work since the adoption of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the work since the adoption of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the rule that this course should be given outside of school hours, stated: "We talked with the principals of the rule that this course." We talked with the principals o supported by small caliber field pieces.

"These forts are a few hundred meters apart and are connected with subterranean passages which held also to the barracks beyond the range of artillery fire (making it possible to move troops into

"The speedy reduction of the fortresses Liege and Namur does not of necessity demonstrate that forts of their order have entirely lost their value, but it is certain that the 42-centimetre pieces are just the thing for them.' But against small forts with permanent 'tusschen-linien' (intervening military works), the fire from these Last year a vocational training guns, while terrible in effect, would not so quickly accomplish the results wanted. An additional factor in this is that the transpor-High School. The work has been ex-

results wanted. An additional factor in this is that the transportation of these heavy pieces is a difficult undertaking, which is also true of the necessary ammunition supply. To move these along an extended line of small forts is a heavy task."

From other sources it has been learned that fortifications of the type favored by General Brialmont would have served their purpose well had the Germans failed to provide themselves with the 42-centimetre pieces. It has been shown at Givet that the vortable of the source of the control of the control of the necessary ammunition supply. To move these along dramman, Kalihi-waena and Central Gramman schools here, to the Olia, Papaikou and Honomu schools on Hawaii and to the Lihue High School. The Boyal School is not included this year to Liliuokatani, Kasi-humann, Kalihi-waena and Central Gramman schools here, to the Olia, Papaikou and Honomu schools on Hawaii and to the Lihue High School. The Boyal School is not included the control of the very schools of the control of the necessary ammunition supply. To move these along dramman, Kalihi-waena and Central Gramman, Kalihi-waena and Central Gramman schools here, to the Olia, Papaikou and Honomu schools on Hawaii and to the Lihue High School. The Boyal School is not included the control of the control Austrian 35-centimeter mortar batteries, though smaller in caliber and of lesser force of penetration, suffice amply to reduce a unit fort in a little time. General Brialmont and the French military engineers, it is said, made the mistake of taking it for granted that the 21-centimetre gun of the Germans, and their own armies, were the 21-centimetre gun of the Germans, and their own armies, were the last work in armament, having accepted that the steel they were REGISTRATION BIG familiar with could not stand a greater chamber-pressure. That a heavier piece would give more penetration than they calculated in their plans, they are said to have known, but they accepted that it would be impossible to transport such giants. In view of the fact that even thirty-six horses have difficulty in moving one of the German 42's, this conclusion was reasonable enough, explained a the Maui schools, reports the enroll-Dutch artillery officer, but neither General Brialmont nor the French ment for that Island, as follows: engineers could foresee that motor traction would make such tremendous progress since the forts they built were planned.

That the Germans and Austrians have moved their 42's and 35's, respectively, by horses is a fact." But this seems to have been done in terrain where the roads permitted of no other course. Invariably they are moved by powerful traction engines, which in addition to the piece itself pull from three to four caissons. Recently a type of traction engine, known as the "caterpillar" has been observed, for use on bad roads and across plowed fields. In addition both the German and Austrian heavy pieces are mounted on a carriage, the wheels of which are fitted with flanges for use on the railroads. Whether or not this latter device has been suggeste by the war cannot be said, but a few days ago several heavy Ger man batteries were taken in this manner over the Belgian rail roads, the road tractor running on the rails also. Ordinary rail road cars trailing behind the caissons carried the personnel of th

What sort of explosives the Germans use in the 42-centimetr shells is still a mystery. French officers of forts bombarded by th Germans maintain that the charge of the projectile is melinite, bu oters recently waited on a candidate for supervisor there and others have expressed the opinion that the explosive is something will revive those succumbing to them.

The German 42 is made with two barrels-a long one for fla Link McCandless, having been turned down by President Wil- range fire, and a short one for high-angle fire. In the former th son in his candidacy for the governorship, now proposes to go to ballistic charge is necessarily much stronger, and with a projectil Washington as Delegate to tell the President who to put in Gov- weighing from 1600 to 1800 pounds the pressure exerted by the ernor Pinkham's place. As yet there has been no explanation as explosion upon the chamber walls cannot be less than 180 tons to the to how the man who couldn't get himself a job is going to get one square inch, it is said. The high-angle mortar, 42, requires a slight ly smaller propelling charge. The long-barrelled gun is used against the faces offered by fortifications, while the mortar drop Considering the fact that Kuhio is running at the head of the its shells from a high elevation into the fort or redoubt. Their ticket which is being supported by the sugar interests it is rather sight ranges are said to be, respectively, eight and five kilometres surprising to know that he is devoting the greater part of his time while according to the Koelnische Zeitung the flight of the she in lamming the planters and in slamming Judge Ballou, the plant- exceeds twelve and ten kilometres. The flight of both shells ers' agent at Washington, while in no public speech has he agreed attended by a number of interesting aerial phenomena, which so to help preserve the duty on sugar or outlined a constructive plan far have been merely hinted at by German experts. One of them, for procedure at Washington to save the one big industry of the however, is that the gases of the chamber explosion travel ahead Islands. Kuhio is certain of reelection. Why, then, is he not at of the projectile for a long distance, but that in the end they are Washington trying to do something to help through the bill re- left behind by the shell, first the one and then the other having the garding the sale of the Mahuka site, to help through the Rapid greater speed, an indication, it is seriously maintained, that the Transit Franchise Bill, to lay the groundwork of the campaign for vacuum created by the gases tend to not only support the flight of the retention of the present duty on sugar, or to do any one of a the huge mass of steel charge, but that they actually accelerate it. At about 2000 meters the shell leaves the company of the gases. Odd as it must seem the photographic experiments demonstrating the sound basis of the social purpose Six weeks or so ago The Advertiser warned the Delegate, the mber of commerce and all others interested, of the danger pendment of Namur. Such at least is the claim of the German press, socializing in its influence, since in crats. The fourth district Republicans can very well afford to vote chamber of commerce and all others interested, of the danger pend- ment of Namur. Such at least is the claim of the German press,

representatives straight, and be glad of the opportunity of placing the immediate possibility of her replacement by one of the wornout It is of interest to learn that the German 42 and the Austrian in office the men named. The average fourth district Republican tubs which a mainland district has got tired of. The Kukui was a specially for Hawaii, but is too good a ship to be left here county ticket and the house ticket. It will help a lot towards get—when some other place with a real representative in congress wants. her. Our warning fell upon deaf ears. Nobody bothered himself and fires a one-pound shell-weight and charge being in exact pro- work is by no means as well accepted to look after Hawaii's interest, and in consequence a recent mail portions to the weight of the projectile and capacity of charge of in practice as in theory. has brought orders to the Kukui skipper to get ready to leave Ha- the main barrel. A trail of smoke shows the path of the one-pound

Vocational Training Classes Are Crowded With Ambitious Boys and Girls

The vocational training idea is meetng with favor in all parts of the Territory. H. W. Kinney, superintendent of public instruction, said yesterday that where these courses have been

time.

''More boys expressed their desire to take the work outside of regular school hours than I really think I can handle. Some of them had yet to see their parents. Others were not sure they could stay on account of Japanese school. In some cases so far the Japanese teachers have expressed willingness to let the boys from their school one marning or afternoon a week."

afternoon a week."

Mr. Kinney said the there are ever 100 caroliments for the sewing class to be opened at the Contral Grammar School next Monday. The teachers thought that a dozen or so might take

urses Extended

terested quite a bandful of boys, fif-teen years old and above in making better use of their time than spending

A. L. Case, supervisiing principal of

ĕ	Lahaina District
Ñ	School. Date Reported. Enrollment.
4	Olowalu, Sept. 30 93
1	Kumehameka III, Sept. 26
	Lanaikai, Oct. 3
8	Honokohua Oct. 1
捌	Honokobau Sept. 30
ÿ.	Total
	Total
n	Wailuku District Kuhakuloa, Sept. 30
a	Waihee Oct. 17
50	Wailulen, Oct. 12
e	Waikapu, Sept. 30
d	Kihei, Sept. 30
8	Kahului, Oct. 5
	Spreckelsville, Sept. 30 195 Punnul, Sept. 25
	Keahua, Sept. 30
e	
78	TOTAL
	Makawao District Kealahou, Sept. 29
e	Keeken Oct. 4
e	Keokea, Oct. 4
tt	Makens, Oct. 2
g	Kannakulun Oet 1
T.	Halakaku Sant 20
-	Huelo, Sept. 25
	I IN HIB HIB. CPC by The way was a series and by the contract of the contract
e	I Haikb. Sept. 29
n	Hamakuapoko, Oct. 5
ă	rain, sept. 20 /////
ıt	Total
ie	Hana District
le	Eight schools totaled
ie	Molokai District Five schools totaled 169
le	Total registration for Maui 3497
t-	On Ostober 16 the enrollment of the
ď	Hilo Union School group was as fol-
18	Wajakea-Uka 31
ir	Wainkon-Kai
s,	Hunber 117
11	Hilo Union 899
18	Total
125	1000

Public opinion appears to have ac cepted health supervision as a part of respect to it the welfare of each individual is in a literal sense the welfare of all. Easy as this realization seems

George S. Raymond, school inspector